

Claims

- Sub A1 7
- method
- 09683356
- [c1] A reinforced corner post assembly comprising:
a longitudinal corner post having an outer wall and an inner wall joined at opposing ends to form a hollow tube; and
one or more reinforcing tubes disposed longitudinally within the interior of the hollow tube, said tubes being collinear with the corner post.
- [c2] The assembly of claim 1 wherein the reinforcing tubes are spiral paperboard tubes having circular cross sections.
- [c3] The assembly of claim 1 wherein the corner post is manufactured from a single sheet of material that is wetted with adhesive, wound into a tube, formed and dried, the reinforcing tubes are inserted into the hollow interior during manufacture of the corner post while the corner post is wet, and the one or more reinforcing tubes are captured by the outer and inner walls as the corner post dries.
- [c4] The assembly of claim 1 wherein the one or more reinforcing tubes are secured by forces applied by the interior surfaces of the outer and inner walls.
- [c5] The assembly of claim 1 wherein the reinforcing tubes are affixed to the outer and inner walls by adhesive.
- [c6] The assembly of claim 1 wherein the reinforcing tubes are affixed to the outer and inner walls by two-sided tape.
- [c7] The assembly of claim 1 wherein at least one reinforcing tube is affixed to another reinforcing tube.
- [c8] The assembly of claim 7 where the reinforcing tubes are affixed to one another with paper.
- [c9] The assembly of claim 1 wherein the reinforcing tubes are plastic.
- [c10] The assembly of claim 1 wherein the reinforcing tubes are marked according to their physical characteristics.

at

on the cor
stantially L
on the cor

[c12]

reintegrare

reinforced

infor

[illegible]

having a
tube having
formed in c
from the
ed within
meter great
in the ou
and the gr
bly comp
formed
two or m
all joined
ne of the
ed within

ter was hollow of the wall along longitudinal than the wall has is inter:

a single layers, opposing between longitudinal

[illegible]

g:
a sing
ayers,
opposing
s betw
ongitu

100

ly comp
 formed
 two or m
 all joined
 ne of the
 d within

g:
a sing
ayers,
oposin
s betw
ongitu